

Title (en)
BINNING AND TOMOGRAPHY FOR HIGH SPATIAL RESOLUTION TEMPERATURE AND SPECIES CONCENTRATION MEASUREMENTS

Title (de)
BINNING UND TOMOGRAPHIE FÜR TEMPERATUR- UND SPEZIESKONZENTRATIONSMESSUNGEN MIT HOHER RÄUMLICHER AUFLÖSUNG

Title (fr)
COFFRAGE ET TOMOGRAPHIE POUR DES MESURES DE TEMPERATURE ET DE CONCENTRATION D'ESPECES DE RESOLUTION SPATIALE ELEVEE

Publication
EP 2150802 A4 20130220 (EN)

Application
EP 08769702 A 20080523

Priority
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• US 94000607 P 20070524

Abstract (en)
[origin: WO2008147994A1] A method of absorption spectroscopy including obtaining absorption data at multiple wavelengths along more than one line-of-sight path through a quantity of gas of interest. The method further includes identifying more than one temperature and gas species concentration bin along the multiple line-of-sight paths and creating a map of temperature and gas species concentration. The map thus created will have at least two-dimensional information derived from select temperature and gas species concentration bins identified along more than one line-of-sight path. Apparatus for implementing the above method is also disclosed.

IPC 8 full level
G01N 21/35 (2006.01); **G01K 11/12** (2006.01); **G01N 21/39** (2006.01)

CPC (source: EP KR US)
G01J 3/42 (2013.01 - KR); **G01K 11/125** (2013.01 - EP US); **G01N 21/31** (2013.01 - KR); **G01N 21/3504** (2013.01 - EP US); **G01N 21/39** (2013.01 - EP US); **G01N 2021/1787** (2013.01 - EP US); **G01N 2021/3513** (2013.01 - EP US)

Citation (search report)
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• [Y] EP 0985921 A1 20000315 - DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]
• [Y] DE 19821956 A1 19991118 - DEUTSCH ZENTR LUFT & RAUMFAHRT [DE]
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